

FIG. 2

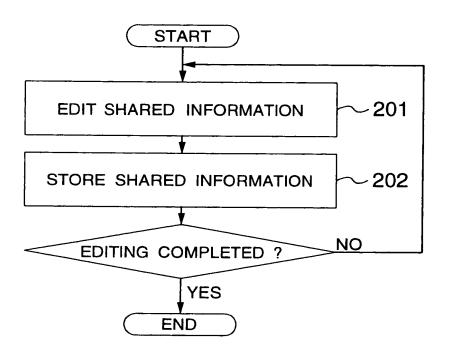
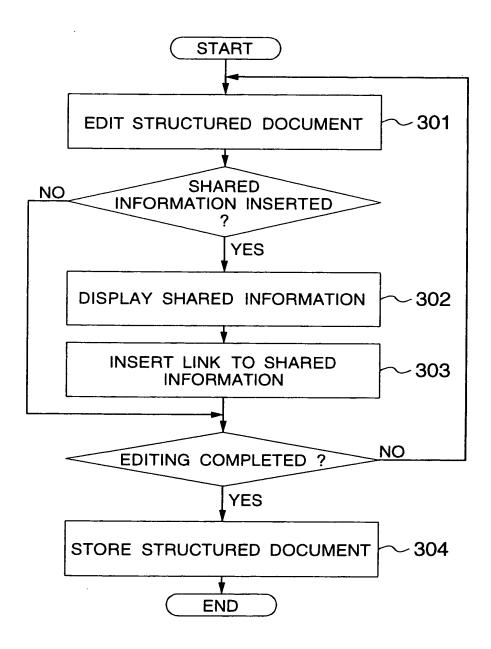


FIG. 3



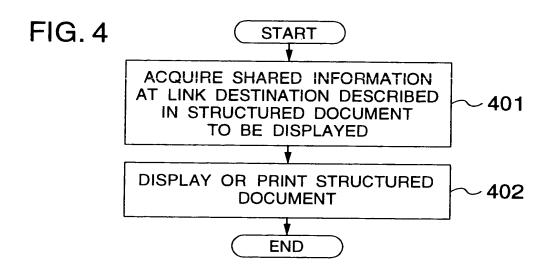
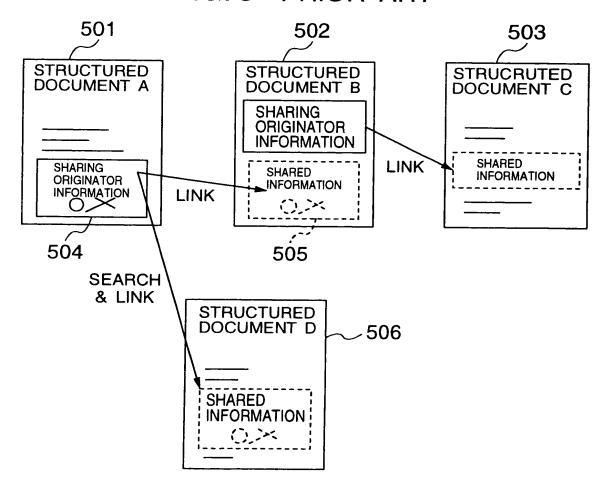
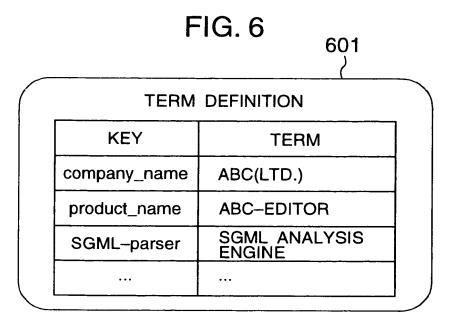


FIG. 5 PRIOR ART

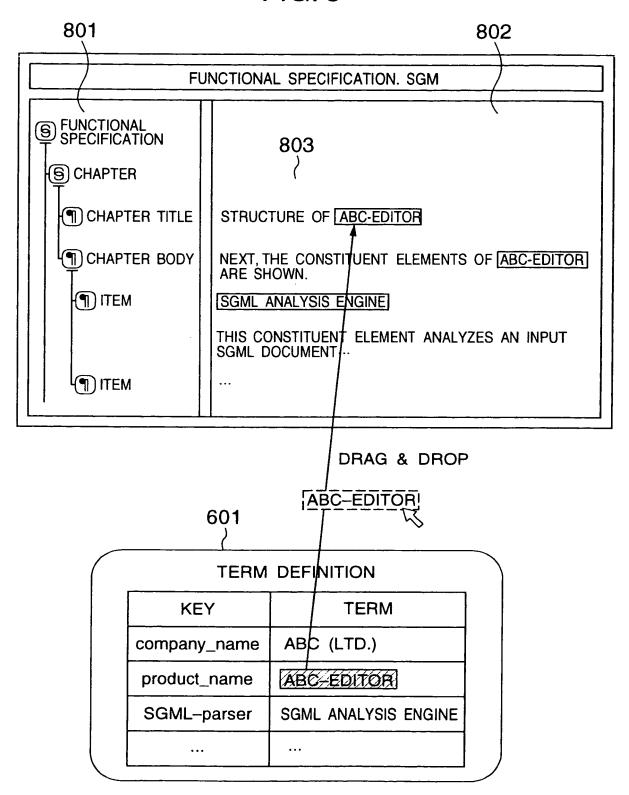




term_dic. sgm

<TERM DEFINITION>
<TERM ID=company_name>
ABC (LTD.)
</TERM>
<TERM ID=product_name>
ABC-EDITOR
</TERM >
<TERM ID=SGML_parser>
SGML ANALYSIS ENGINE
</TERM>
...
</TERM>
DEFINITION>

FIG. 8



```
<!ENTITY term_dic SYSTEM "term_dic. sgm"> \sim 901
      <FUNCTIONAL SPECIFICATION>
       <CHAPTER>
        <CHAPTER TITLE> ~ 902
         STRUCTURE OF <TERM IDREF=product name ref>
        </ CHAPTER TITLE>
        <CHAPTER BODY>
         NEXT, THE CONSTITUENT ELEMENTS OF

∠TERM IDREF=product_name_ref> ARE SHOWN.

902-
         <ITEM>
          <TERM IDREF=SGML_parser_ref>
              THIS CONSTITUENT ELEMENT ANALYZES
       902
              AN INPUT SGML DOCUMENT...
         </ITEM>
         <ITEM> ··· <FIGURE> ··· </ITEM>
        </CHAPTER BODY>
       </CHAPTER>
       <CHAPTER>
                             ,902
        <CHAPTER TITLE>
         FUNCTION OF <TERM IDREF=product_name_ref>
        </CHAPTER TITLE>
      </FUNCTIONAL SPECIFICATION>
      <nameloc id=product_name_ref>
       <nmlist nametype=element docorsub=term_dic>
         product_name \sim 905
                                                 903
       </nmlist>
      <nameloc>
                         908
      <nameloc id=SGML_parser_ref>
       <nmlist nametype=element docorsub=term_dic>
         SGML_parser
                                                904
       </nmlist>
                       `907
      <nameloc>
```

10,01

FUNCTIONAL SPECIFICATION

1. STURCTURE OF ABC-EDITOR
NEXT, THE CONSTITUENT ELEMENTS OF
ABC-EDITOR ARE SHOWN.
(1) SGML ANALYSIS ENGINE
THIS CONSTITUENT ELEMENT ANALYZES
AN INPUT SGML DOCUMENT...

(2) ...

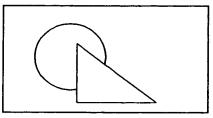


FIG. 1 ARRANGEMENT

2. FUNCTION OF ABC-EDITOR

..

1101

PERSON INFORMATION

KEY	NAME	BELONGING DEPARTMENT	EXTENSION TEL. NO.
taro	HEISEI TARO	DEVELOPMENT DEPART. 12 GROUP	1111
jiro	SHOWA JIRO	DEVELOPMENT DEPART. 14 GROUP	2222
•••	•••		•••

FIG. 12

1201

```
person_dic. sgm
```

```
<PERSON INFORMATION>
<PERSON ID=taro> 1202
```

<NAME> HEISEI TARO </NAME>

<BELONGING DEPARTMENT> DEVELOPMENT DEPART. 12 GROUP
</BELONGING DEPARTMENT>

<EXTENSION TEL. NO.> 1111 </EXTENSION TEL. NO.>

</PERSON>

<PERSON ID=jiro>

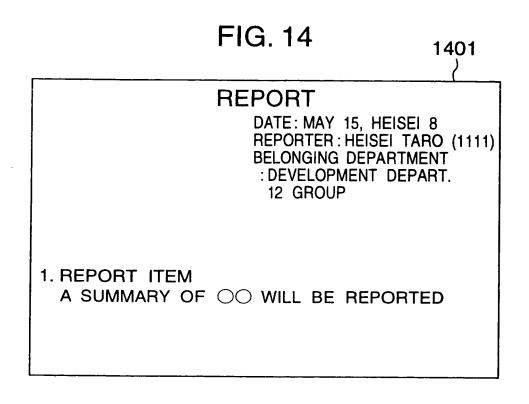
<NAME> SHOWA JIRO </NAME>

<BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP
</BELONGING DEPARTMENT>

<EXTENSION TEL. NO.> 2222 </EXTENSION TEL. NO.> </PERSON>

</PERSON INFORMATION>

```
<!ENTITY person_dic SYSTEM "person_dic. sgm"> ~ 1301
<REPORT>
 <REPORT DATE> MAY 15, HEISEI 8 </REPORT DATE>
 <REPORT>
                                  ,1302
  <NAME><TERM IDREF=person_name_ref></NAME>
  <BELONGING DEPARTMENT> <TERM IDREF=person_belong_ref>
   </BELONGING DEPARTMENT>
  <EXTENSION TEL. NO.> <TERM IDREF=person_tel_ref>
   </EXTENSION TEL. NO.>
 </REPORT>
 <REPORT ITEM>
  A SUMMARY OF OO WILL BE REPORTED.
 </REPORT ITEM>
</FUNCTIONAL SPECIFICATION>
                     √1309
<nameloc id=person_ref>
 <nmlist nametype=element docorsub=person_dic>
   taro ~1308
 </nmlist>
</nameloc>
                       1310
<treeloc id=person_name_ref locsrc=person_ref>
                                                1305
 <marklist>1 1</marklist>
</treeloc>
                          -1311
<treeloc id=person_belong_ref locsrc=person_ref>
 <marklist>1 2</marklist>
                         1312
</treeloc>
<treeloc id=person_tel_ref locsrc=person_ref>
 <marklist>1 3</marklist>
                                                1307
</treeloc>
```



START

EDIT SHARED INFORMATION 201

STORE EDITED SHARED INFORMATION AS NEW VERSION 1601

EDITING NO COMPLETED ?

YES

END

FIG. 16

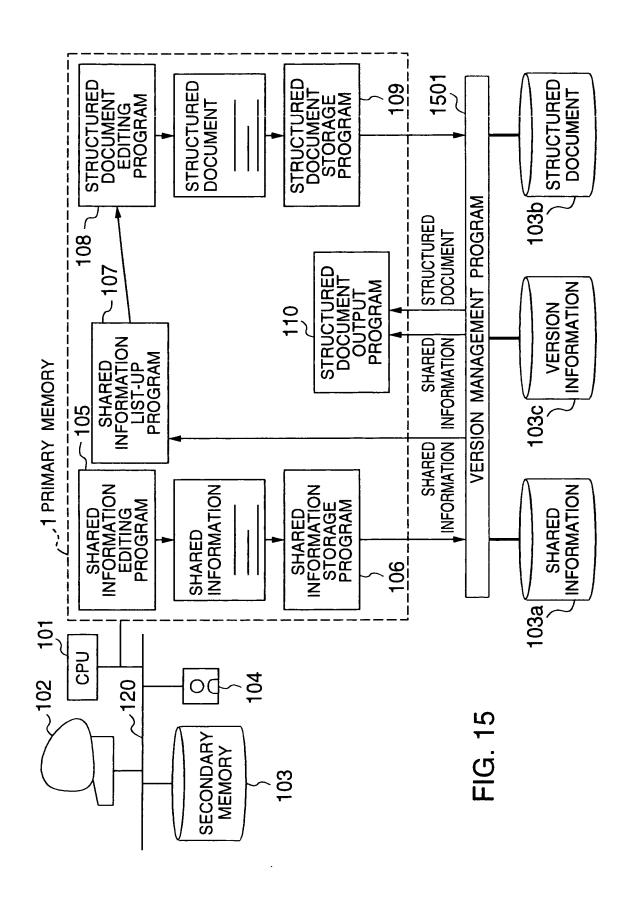


FIG. 17

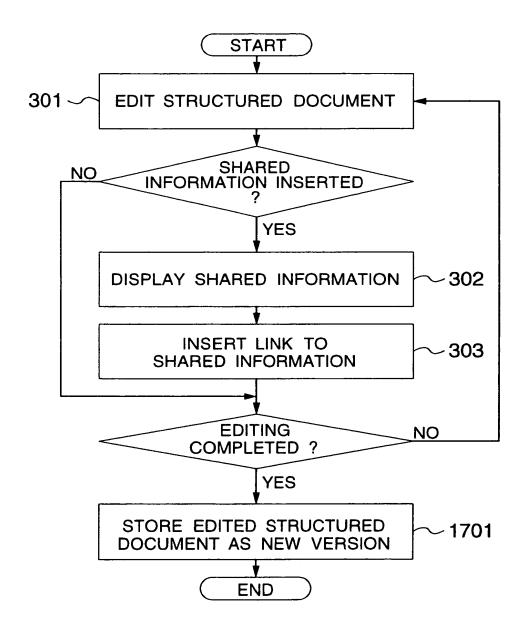


FIG. 18

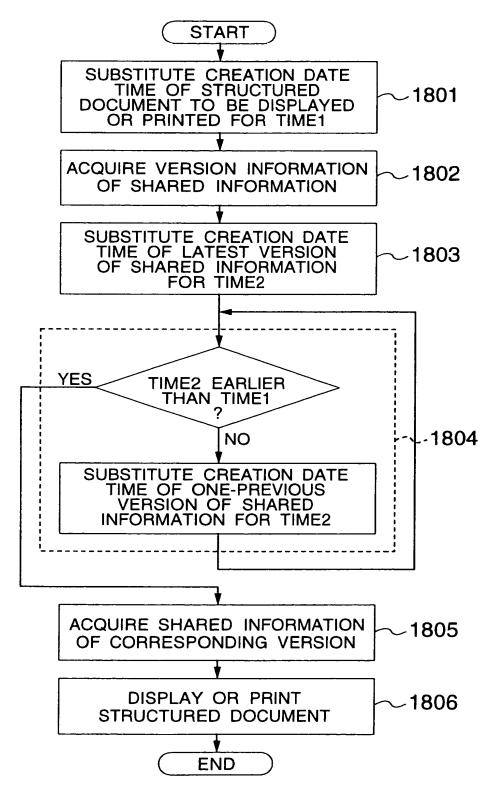


FIG. 19

1101 V1.0 PERSON INFORMATION **EXTENSION** BELONGING **KEY** NAME DEPARTMENT TEL. NO. DEVELOPMENT DEPART. 12 GROUP 1111 taro HEISEI TARO **DEVELOPMENT** SHOWA JIRO 2222 jiro DEPART. 14 GROUP • • • ... **EDIT** 1901 V2.0 PERSON INFORMATION **EXTENSION** BELONGING **KEY** NAME DEPARTMENT TEL. NO. **DEVELOPMENT** 3333 taro HEISEI TARO DEPART. 16 GROUP DEVELOPMENT 2222 SHOWA JIRO iiro DEPART. 14 GROUP • • • •••

FIG. 20

2001

VERSION	WRITER	CREATION DATE / TIME	•••
V1. 0	TAISHO HANAKO	1996. 4. 1 10:00	
V2. 0	TAISHO HANAKO	1996. 8. 21 15:30	
	•••	•••	•••

FIG. 21

2101

REPORT

REPORT DATE
: NOVEMBER 20, HEISEI 8
REPORTER: HEISEI TARO (3333)
BELONGING DEPARTMENT
: DEVELOPMENT DEPART.
16 GROUP

1. REPORT ITEM
A SUMMARY OF XX WILL BE REPORTED.

FIG. 22

			2201 }
VERSION	WRITER	CREATION DATE / TIME	• • • • • • • • • • • • • • • • • • • •
V1. 0	HEISEI TARO	1996. 5. 15 9:00	
V2. 0	HEISEI TARO	1996.11.20 16:30	
•••			

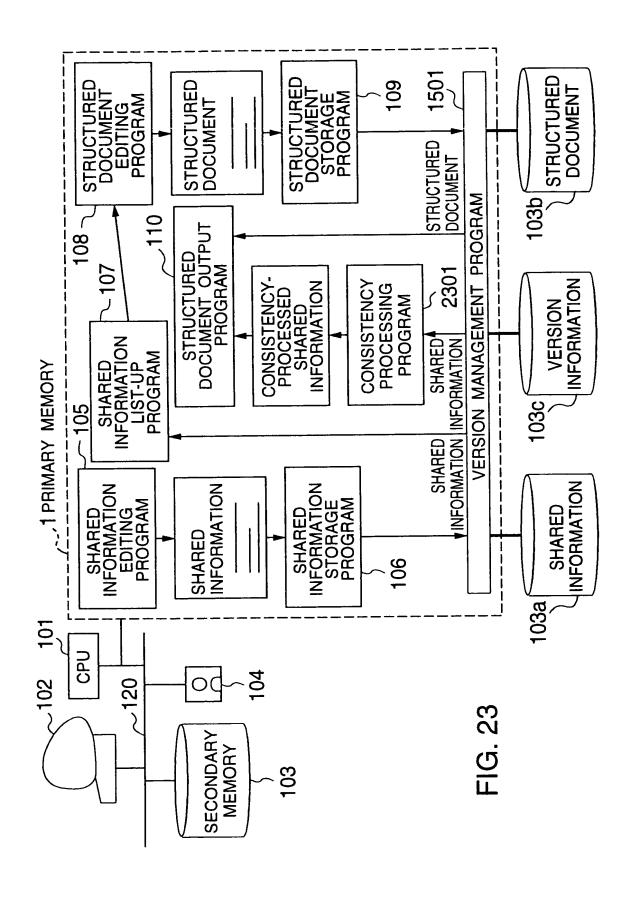


FIG. 24

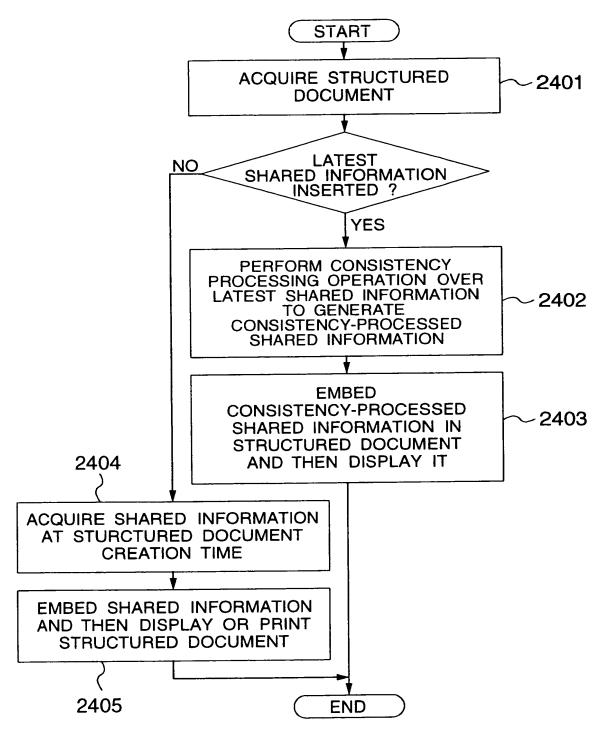
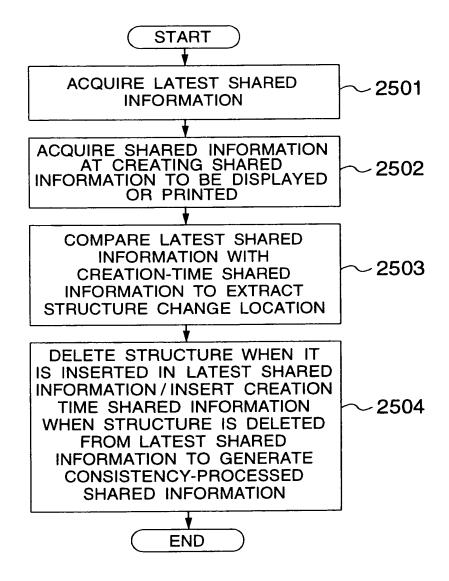


FIG. 25



2601

```
V1.0

<PERSON INFORMATION>
<PERSON ID=taro>
<NAME> HEISEI TARO </NAME>
<BELONGING DEPARTMENT> DEVELOPMENT DEPART. 12 GROUP
</BELONGING DEPARTMENT>
<EXTENSION TEL. NO.> 1111 </EXTENSION TEL. NO.>
</PERSON>
<PERSON ID=jiro>
<NAME> SHOWA JIRO </NAME>
<BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP
</BELONGING DEPARTMENT>
<EXTENSION TEL. NO.> 2222 </EXTENSION TEL. NO.>
</PERSON>
...
</PERSON INFORMATION>
```

V2. 0 EDIT 2602

<PERSON INFORMATION> <PERSON ID=taro> <NAME> HEISEI TARO </NAME> <NAME NUMBER> 98001 </NAME NUMBER> <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 16 GROUP </BELONGING DEPARTMENT> <EXTENSION TEL. NO.> 3333 </EXTENSION TEL. NO.> </PERSON> <PERSON ID=iiro> <NAME> SHOWA JIRO </NAME> <NAME NUMBER> 98002 </NAME NUMBER> <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP </BELONGING DEPARTMENT> <EXTENSION TEL. NO.> 2222 </EXTENSION TEL. NO.> </PERSON> </PERSON INFORMATION>

2700 <!ENTITY person_dic SYSTEM "person_dic. sgm"> ~ 2701 <SELF INTRODUCTION> 2702 <PROFILE> <NAME> <TERM IDREF=person name ref> </NAME> <BELONGING DEPARTMENT> <TERM IDREF=person_belong_ref> </BELONGING DEPARTMENT> <EXTENSION TEL. NO.> <TERM IDREF=person_tel_ref> </EXTENSION TEL. NO.> </PROFILE> <ONE WORD> NOW DEVELOPING A STRUCTURED DOCUMENT PROCESSING SYSTEM. </ONE WORD> ... </SELF INTRODUCTION> ____2709 <nameloc id=person_ref> <nmlist nametype=element docorsub=person_dic> taro --2708 2704 </nmlist> </nameloc> 2710 <treeloc id=person_name_ref locsrc=person ref> 2705 <marklist>1 1</marklist> 2711 </treeloc> <treeloc id=person_belong_ref locsrc=person_ref> <marklist>1 2</marklist> <treeloc id=person_tel_ref locsrc=person_ref> <marklist>1 3</marklist> </treeloc>

2801

SELF INTRODUCTION

★PROFILE★

NAME	HEISEI TARO
BELONGING DEPARTMENT	DEVELOPMENT DEPART. 12 GROUP
EXTENSION TEL. NO.	1111



★ONE WORD★

NOW DEVELOPING A STRUCTURED DOCUMENT PROCESSING SYSTEM.

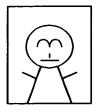
FIG. 29

2901

SELF INTRODUCTION

★PROFILE★

NAME	HEISEI TARO
BELONGING DEPARTMENT	98001
EXTENSION TEL. NO.	DEVELOPMENT DEPART. 16 GROUP



★ONE WORD★

NOW DEVELOPING A STRUCTURED DOCUMENT PROCESSING SYSTEM.

3001 V1.0 <PERSON INFORMATION> <PERSON ID=taro> <NAME> HEISEI TARO </NAME> <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 12 GROUP </BELONGING DEPARTMENT> <EXTENSION TEL. NO.> 1111 </EXTENSION TEL. NO.> 3003 </PERSON> **~3003** <PERSON ID=jiro> <NAME> SHOWA JIRO </NAME> <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP </BELONGING DEPARTMENT> <EXTENSION TEL. NO.> 2222 </EXTENSION TEL. NO.> </PERSON> </PERSON INFORMATION> SUBTRACT 3002 DIFFERENCE V2.0 <PERSON INFORMATION> <PERSON ID=taro> <NAME> HEISEI TARO </NAME> ENAME NUMBERS 98001 ANAME NUMBERS - 3005 <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 16 GROUP </BELONGING DEPARTMENT> 3004 <EXTENSION TEL. NO.> 3333 </EXTENSION TEL. NO.> </PERSON> ·3004 <PERSON ID=iiro> <NAME> SHOWA JIRO </NAME>

ENAME NUMBERS 98002 ANAME NUMBERS 3006

<EXTENSION TEL. NO.> 2222 </EXTENSION TEL. NO.>

</BELONGING DEPARTMENT>

</PERSON INFORMATION>

</PERSON>

<BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP

UNDERLINED PART: CHARACTER-STRING CHANGED LOCATION SHADED PART: STRUCTURE CHANGED LOCATION

3101

```
<PERSON INFORMATION>
<PERSON ID=taro>
 <NAME> HEISEI TARO </NAME>
 <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 16 GROUP
  </BELONGING DEPARTMENT>
                                                    3102
 <EXTENSION TEL. NO.> 3333 </EXTENSION TEL. NO.>
</PERSON>
                          3102
<PERSON ID=jiro>
 <NAME> SHOWA JIRO </NAME>
 <BELONGING DEPARTMENT> DEVELOPMENT DEPART. 14 GROUP
  </BELONGING DEPARTMENT>
 <EXTENSION TEL. NO.> 2222 </ENTENSION TEL. NO.>
</PERSON>
</PERSON INFORMATION>
```

FIG. 32

3201

SELF INTRODUCTION

★PROFILE★

NAME	HEISEI TARO
BELONGING DEPARTMENT	DEVELOPMENT DEPART. 16 GROUP
EXTENSION TEL. NO.	3333



★ONE WORD★

NOW DEVELOPING A STRUCTURED DOCUMENT PROCESSING SYSTEM.

. . .